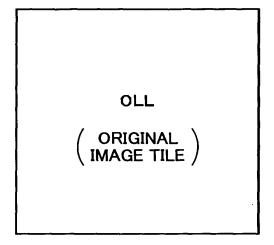


F1G 1

FIG.2A



DECOMPOSITION LEVEL 0

FIG.2C

2LL	2HL	1HL
2LH	2HH	.,
11	-H	1 HH

DECOMPOSITION LEVEL 2

FIG.2B

1LL	1 HL
1LH	1HH

DECOMPOSITION LEVEL 1

FIG.2D

3LL 3HL (0) (1) 3LH3HH (1) (1) 2LH (2)	2HL (2) 2HH (2)	1HL (3)
1L (3		1HH (3)

DECOMPOSITION LEVEL 3

FIG.3

CODE FORMAT

soc	Main Header				•		
SOT	Tile Header	SOD	Tile Da	ta			
SOT	Tile Header	SOD	Tile D	ata			•
SOT	Tile Header	SOD	Tile Data		EOC	}	

FIG.4

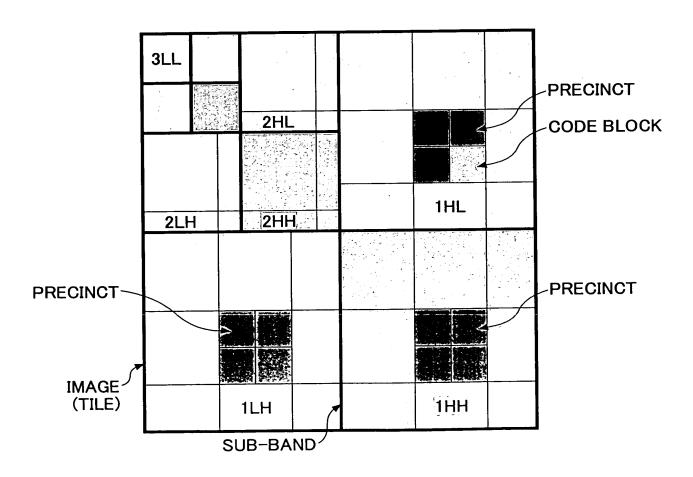


FIG.5

\Box	80	[:	_		8	S	29	8	<u>ē</u>	82	<u> </u>	8	<u> </u>	
	1					8	8	8	8			147	<u>8</u>	
	9	-	<u>=</u>		5	(Q	3 3	82	- 66	1		9	651	
Н	S		_ 		8	3	ड	6	86			[45	<u> </u>	
_	4	L		\dashv	2 2	9	8	8	22	1141		<u> </u>	<u>157</u>	-
ᄩ	6	L			8 2	ð.	28	. J	96	113		E-	126	
Н	7	L	<u>-</u>		27	8	9	178	95	112 1		142	195	
	-	Ľ	<u> </u>		26 2	43	9		76	11		-	20	i.i.
		L			25 2	, E	90	100	93	1011		<u> </u>	133	A.
Н	80	L	9		133	300	<u> 7</u>	* * * 2	5	181		<u> </u>	191	ر مارون
	_	L	<u>-</u>		32	49	99	(8)	8	11		14	<u>)</u>	
		Ľ	<u>-</u>		1.3	48	9 59	82 · 6)[]	911		(C) (C)	<u>[]</u>	
1	ro -	L	<u>-</u>		0		9	2 PM 48	86	112 1		145 (140	E/ 84	<u> </u>
$ _{\perp} $	-		- 		8	46 47	63	8 5	97	4		4 :	15 .	: 14.°. : 14.55
∌	· 	L			29	(S)		8	96	E 1	8	143	56	
П	~	L	=		7 28		29	<u>(</u>	95	11 11		7	35 T	
	_	L	은 -	, .	27	4	9	2	9	Ξ	128	المراسية	25.0	
	-	L			20	(B)	8	6 77		01		₹ , ,	53	\$2. •4 (************************************
Ш		L			\$2.5 \$2.5	(E)	8	2017	8	18	35 127	왕	Carlo Carlo	1 a-1 -1
	œ	L	9		8	ଜ	9	8	<u> </u>		<u> </u>	8	9 9:	2237 SA
,		L	5		32	(3)	99	(8)	<u>8</u>	6 117	34	4	1	200 X
	9	L	=		5	84	(S)	8	8	5 116	- 133	91	8	135 A
	32	L	=		8	47	29	(B)	8	115	1 132	145	7 158	
본	4	L	12		62	46	3	8 "	9	3 114		<u>a</u>	6 [57	
	6		E		28	8	8	67)	8	113	9 130	2 143	2 156	35.70
	2	L	2	<u></u>	2	44	[6]	(8)	18	112	8 129	142		ignigation of the second of th
1	_	L	6		756	\$	8	a maria 19	8	Ε	128	<u> </u>	5	56 IP
	l°	· [8		25	425	8	90	8	110	9 127	9	12.	100
1	۳	Ĺ	_			2	15	23	ED .	8	9 10	5 126	133	<u>]</u>
景	7	ļ	9			S	8	16	12	6	20	125	138	0 151
7	-	l	·S			(2)	8	8	22] <u>s</u>	107	3 124	6 (137	05116
L	2		4			[5]	_	85	22)	8	106	6 123	9[136	<u>(149</u>
	<u>۳</u>	ļ	7				24	E	8	100	95	109	2 126	<u>(139</u>
Ę	7	1	9				8	8	50	1 2 mag	6	7 -108	4 ,125	7 138
[~	-	ļ	2				22	8	25.5	1.1	8	107	3 124	e [137
L] °	1	4	<u>:</u>			[2]	8	ı.c.	9	8	901 6	123	9[]36
	ຶ	J	1		:		24	<u> </u>	8	5	6	109	2 126	8 (139
치	~		9				83	9	57	20	<u></u>	108	125	7 [138
2	-		2				22	Section 1	56	(E)	8	107	3 124	6 137
L	°		1				21	8	55	[2]	88	90 100	2 123	2 136
	"	i	3					8	(0)	(A)	[S]	7 88	4 105	1 122
堳	~		7					6	99	ES	8	8 87	<u>5</u>	121
~	-		_					E	8	. 52	69	98	2 103	9 120
L] °		Ľ					[]	34	20	89	8	102	<u>=</u>
	;		Cleanup	Significant Refinement	Significant Refinement	Significant Refinement	Significant Refinement	Significant Refinement	Cleanup Significant Refinement	Cleanup Significant Refinement Cleanum	Significant Refinement Cleanup	Significant Refinement	Significant Refinement Cleanup	Significant Refinement
				Ξæ	: <u>``</u>	20.00	:2 ez	200	∝	∝	0,	Ο,		
SUB-BAND	PRECINCT No.	BIT PLANE	12th BIT CODE	11th BIT CODE	10th BIT CODE	9th BIT 000E	8th BIT CODE	7th BIT CODE	6th BIT CODE	5th BIT CODE	4th BIT 000E	3rd BIT CODE	2nd BIT CODE	1st BIT CODE
٠,	3	80	2th	#	댦	\$	gt.	Ę	eth 6th	5th	ŧ	3rd	2nd	1st

FIG.6

LRC	P PACKET 0	PACKET 1	PACKET 2	PACKET 3	PACKET 4	PACKET 5
	LAYER0	LAYER0	LAYER0	LAYER0	LAYER0	LAYER0
	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION
	LEVEL 0	LEVEL 0	LEVEL 0	LEVEL 1	LEVEL 1	LEVEL 1
	COMPONENT O		COMPONENT 2	COMPONENT O	COMPONENT 1	COMPONENT 2
	PRECINCT 0	PRECINCT O	PRECINCT 0	PRECINCT O	PRECINCT O	PRECINCT 0
	PACKET 6	PACKET 7	PACKET 8	PACKET 9	PACKET 10	PACKET 11
	LAYER0	LAYER0	LAYER0	LAYER0	LAYER0	LAYER0
~	RESOLUTION LEVEL 2	RESOLUTION LEVEL 2				
	COMPONENT O		COMPONENT O	COMPONENT O	COMPONENT 1	COMPONENT 1
	PRECINCT 0	PRECINCT 1	PRECINCT 2	PRECINCT 3	PRECINCT O	PRECINCT 1
	TINZOMOT O	THEOTHER	THEOTHER E	TREGING! 0	THEOTHER O	
	PACKET 12	PACKET 13	PACKET 14	PACKET 15	PACKET 16	PACKET 17
(LAYERO	LAYER0	LAYER0	LAYER0	LAYER0	LAYER0
	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION
	LEVEL 2					
	COMPONENT 1	COMPONENT 1	COMPONENT 2	COMPONENT 2	COMPONENT 2	COMPONENT 2
	PRECINCT 2	PRECINCT 3	PRECINCT 0	PRECINCT 1	PRECINCT 2	PRECINCT 3
	PACKET 18	PACKET 19	PACKET 20	PACKET 21	PACKET 22	PACKET 23
	LAYER···1	LAYER···1	LAYER1	LAYER···1	LAYER···1	LAYER…1
~	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION
	LEVEL 0	LEVEL 0	LEVEL 0	LEVEL 1	LEVEL 1	LEVEL 1
	COMPONENT O	COMPONENT 1	COMPONENT 2	COMPONENT O	COMPONENT 1	
	PRECINCT 0					
	PACKET 24	PACKET 25	PACKET 26	PACKET 27	PACKET 28	PACKET 29
	LAYER···1	LAYER1	LAYER1	LAYER1	LAYER···1	LAYER···1
~	RESOLUTION LEVEL 2					
	COMPONENT O	COMPONENT O	COMPONENT O	COMPONENT O	COMPONENT 1	
	PRECINCT O		PRECINCT 2	PRECINCT 3		
	THEOTHOI O	THEOTHER !	THEOTHER 2	TREGINGT	THEOTHER O	/ / / / / / / / / / / / / / / / / / /
	PACKET 30	PACKET 31	PACKET 32	PACKET 33	PACKET 34	PACKET 35
(LAYER1	LAYER1	LAYER···1	LAYER1	LAYER···1	LAYER···1
	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION	RESOLUTION
*	LEVEL 2					
	COMPONENT 1	COMPONENT 1	COMPONENT 2	COMPONENT 2	COMPONENT 2	
	PRECINCT 2	PRECINCT 3	PRECINCT 1	PRECINCT 2	PRECINCT 3	PRECINCT 4

OPERATION ,1014 _<1020 CONTROL 1013 (1022 ANALYZING √1012 ,1001 ابر 1011 ,1000 **1010** CODE LINE TEMPRARY DELETING PROCESS COMPRESSING ,1003 **IMAGE** (1002 ACQUIRING| IMAGE

DISPLAYING

IMAGE EXPANDING

CODE LINE DISCARDING PROCESS

RESTORING PROCESS

STORING

<u>B</u>

3

1004A 1004B

FIG.7

FIG.8

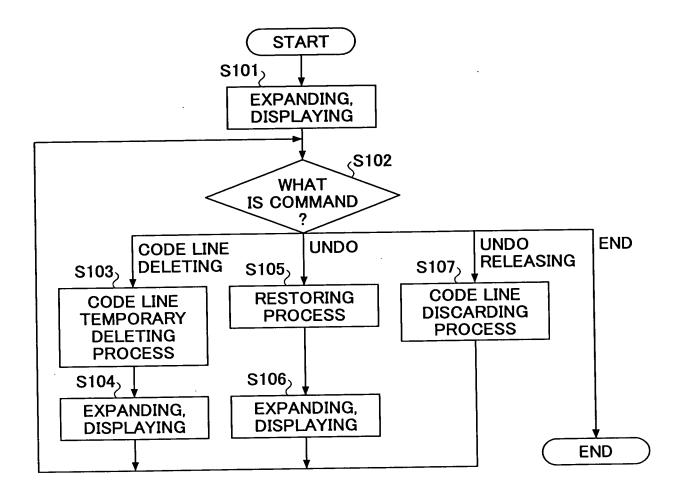


FIG.9

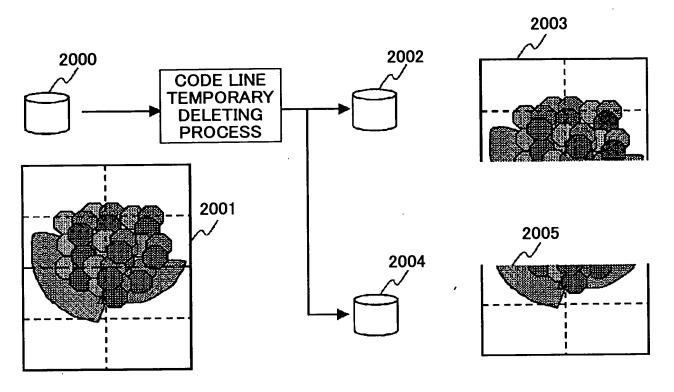


FIG.10

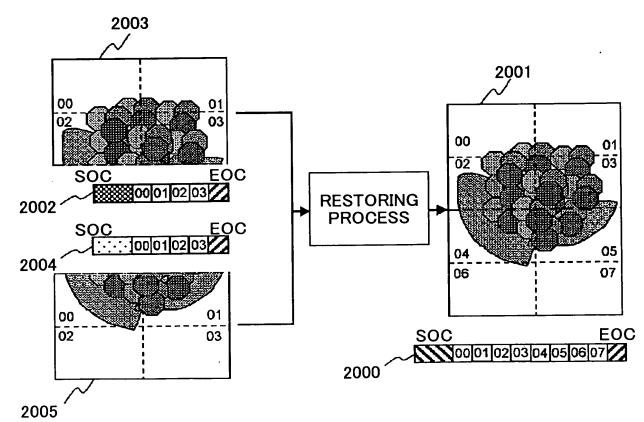


FIG.11

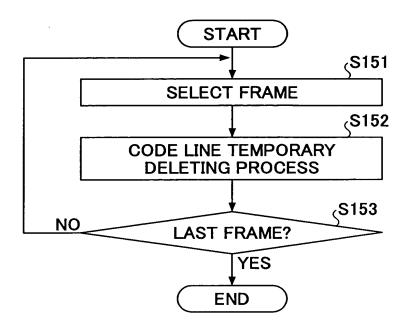


FIG.12

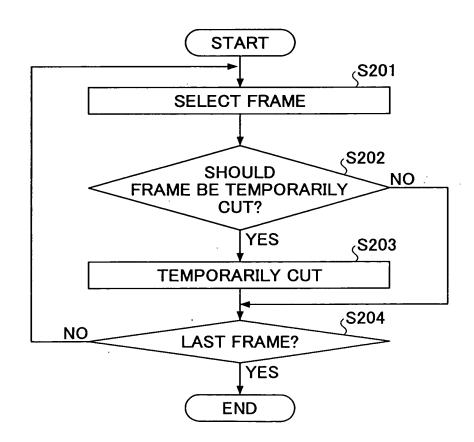
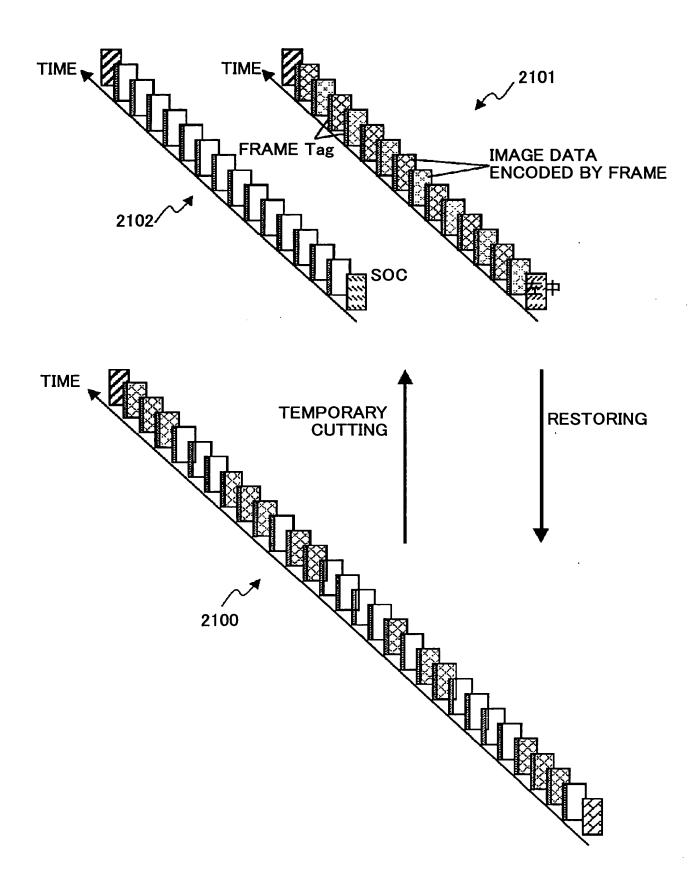
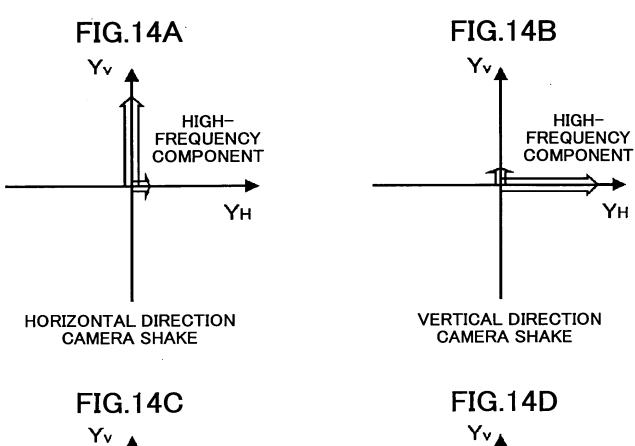
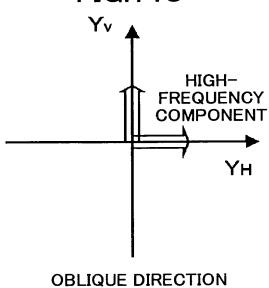


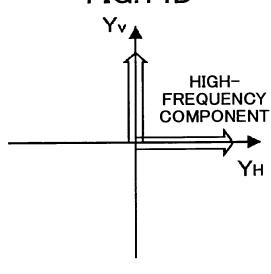
FIG.13







CAMERA SHAKE



NO CAMERA SHAKE

FIG.15

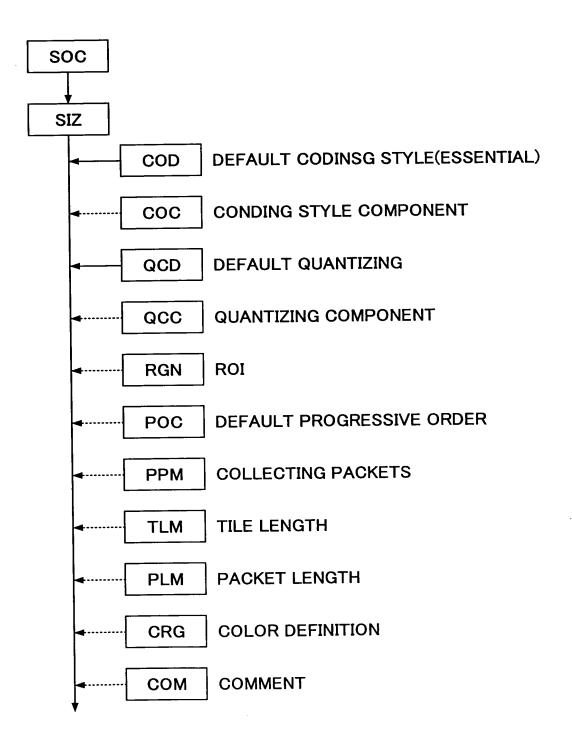
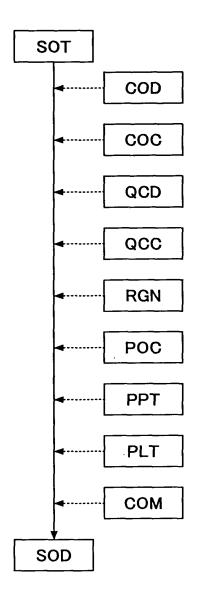
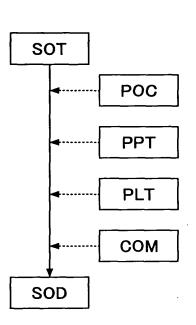


FIG.16A

FIG.16B





		[];			
		Name	8 2	Main header	111e-part header
Delimiting	Start of codestream	soc	0xff4f	ESSENTIAL	NOT ALLOWED
marker segments	Start of tile-part	SOT	0xff30	NOT ALLOWED	ESSENTIAL
	Start of data	SOD	0xff93	NOT ALLOWED LAST MARKER	LAST MARKER
	End of codestream	EOC	6PJJx0	NOT ALLOWED NOT ALLOWED	NOT ALLOWED
Fixed information marker segments	Image and tile size	ZIS	0xff51	ESSENTIAL	NOT ALLOWED
Functional	Coding style default	COD	0xff52	ESSENTIAL	OPTION
marker segments	Coding style component	၁၀၁	0xff53	OPTION	OPTION
	Region-of interest	RGN	0xff5e	OPTION	OPTION
	Quantization default	фср	0xff5c	ESSENTIAL	OPTION
	Quantization component	occ	0xff5d	OPTION	OPTION
	Progression order change	POC	0xff5f	OPTION	OPTION
Pointer	Tile-part length, main header	TLM	0xff55	NOILdo	NOT ALLOWED
marker segments	Packet length, main header	PLM	0xff57	OPTION	NOT ALLOWED
	Packet length, tile-part header	PLT	0xff58	NOT ALLOWED	OPTION
	Packed packet headers, main header	PPM	0xff60	OPTION	NOT ALLOWED
	Packed packet headers, tile-part header	PPT	0xff61	NOT ALLOWED	OPTION
In bit stream	Start of packet	SOP	0xff91	NOT ALLOWED	OPTION
marker segments	End of packet header	ЕРН	0xff92	NOT ALLOWED	OPTION
Information	Component registration	CRG	0xff63	OPTION	OPTION
marker segments	Comment	сом	0xff64	OPTION	OPTION

FIG. 18

			YRsiz (n)
			Ssiz XRsiz YRsiz (n) (n)
		YTsiz	Ssiz (n)
	•		<u> </u>
			YRsiz (i)
Ysiz			Ssiz XRsiz YRsiz (i) (i)
¾ 		XTsiz	Ssiz (i)
		X	Csiz
Ņ			
Xsiz		YOsiz)siz
		YO	YTOsiz
Rsiz			
-			
Lsiz		XOsiz	XTOsiz
		×	×
ZIS			

FIG.19

COD Lcod Scod SGcod SPcod						_
	COD	Lcod	Scod	SGcod	SPcod	

FIG.20

COC Lcoc	Ссос	Scoc	SPcoc
----------	------	------	-------

FIG.21

QCD Lqcd	Sqcd SPqcd (i)	SPqcd (n)
----------	----------------	--------------

FIG.22

QCC	Lạcc	Cqcc	Sqcc SPqcc (i)	SPqcc (n)
-----	------	------	----------------	--------------

FIG.23

COM Lcom Rcom	Ccom (i)	Ccom (n)
---------------	-------------	-------------

FIG.24

k

